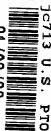


01/20/00



Jc5713 U.S. PTO

S&H Form: PTO/SB/05 (12/97)

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

#1614.1024

First Named Inventor or Application Identifier:

Yuji KUMAKURA

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 800 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form
2. ☒ Specification, Claims & Abstract [Total Pages: 30]
3. ☒ Drawing(s) (35 USC 113) [Total Sheets: 9]
4. ☒ Oath or Declaration [Total Pages: 3]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation by Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Microfiche Computer Program (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

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09/486019



01/20/00

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) [] Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 [] Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
14. ☐ Small Entity Statement(s) [] Statement filed in prior application, status still proper and desired.
15. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

[] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.

18. CORRESPONDENCE ADDRESS

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Facsimile: (202) 434-1501

SPECIFICATION

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT I, Yuji Kumakura, a citizen of Japan residing at Nagaoka-shi, Niigata, Japan have invented certain new and useful improvements in

INFORMATION PROCESSOR, METHOD FOR PROCESSING
INFORMATION AND COMPUTER-READABLE RECORDING
MEDIUM RECORDED WITH PROGRAM CODE FOR
CONTROLLING A COMPUTER TO PROCESS INFORMATION

of which the following is a specification : -

TITLE OF THE INVENTION

INFORMATION PROCESSOR, METHOD FOR
PROCESSING INFORMATION AND COMPUTER-READABLE
RECORDING MEDIUM RECORDED WITH PROGRAM CODE FOR
5 CONTROLLING A COMPUTER TO PROCESS INFORMATION

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention generally relates to
10 information processors, methods for processing
information and computer-readable recording media
recorded with program code for controlling a
computer to process information in which installed
applications are moved to another directory or
15 another recording medium, and more particularly to
an information processor, a method for processing
information and a computer-readable recording medium
recorded with program code for controlling a
computer to process information in which it is
20 possible to copy an installed application including
related data from a current directory to another
directory or another recording medium and
continuously to delete the application including
related data in the current directory.

25 Recently, in the personal computer
(hereinafter called a PC) industry, a storage device
has been developed and a capacity of the storage
device is becoming much larger so that a large-sized
operating system and various large-sized
30 applications can be installed in the storage device.
With increasing capacities of applications, data
belonging to the applications are becoming
diversified and also large sized. In this state,
actually, the existing storage device does not have
35 enough capacity to manage the applications and data
belonging thereto. Usually, many PC users install
an additional internal or external storage device to

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In the above state, as a result of moving existing applications to another directory, it is required that the installed applications be uninstalled, the applications be reinstalled, and an OS (Operation System) be restarted a few times. However, these processes are not performed effectively. Especially for inexperienced users, it is not easy to complete these processes without any problems. Therefore, it is desired that a method for installing an application should be simplified.

15 Conventionally, the following processes
are required to reinstall an application in another
directory or storage device.

20 FIG.1 shows an example of a setup window
for a conventional installation.

In FIG.1, the user chooses a desired operation from a setup window 200. For instance, when the user installs an application for the first time, the user selects an "INSTALL" button 201 for the initial installation. When the user reinstalls the application including additional functions in the directory in which the application and the additional functions are already installed, the user also selects the "INSTALL" button 201.

When the user adds more functions to currently installed application and functions, the

When the user removes the currently installed functions, the user selects a "REMOVE FUNCTIONS" button 203.

Any operation selected by the above buttons, except for the initial installation, is performed under the directory in the drive indicated at the initial installation.

```

        step 1 :  if necessary, store all data
created by the application.

```

```
step 3 : restart an OS.
```

```

step 5 : restart the OS again after the
installation is completed.

```

```

30      The user follows the above-mentioned steps
      to complete the move of the application and the data.

```

35 First, as mentioned above, the many steps
to move an application take much time.

Second, a user generally changes optional

settings of the application to fit the user's requirements after the first installation. For example, font size, spacing between lines, lines per page, and the like may be the optional settings.

5 Thus, the user has to set the optional settings again after the application is moved to another directory. In addition, the user has to restore data that is temporarily stored in another storage area. Thus, it may not be possible for the user to
10 use the application soon after the reinstallation thereof. Actually, an inexperienced user tends to lose important data during the above steps. Therefore, it is preferable to perform the steps by an experienced user.

15 Third, regardless of the above steps, when a user moves an application, the user is required to properly change information for executing the application, which information is recorded in a file referred to by other applications or the OS. Hence,
20 when the user does not properly change the information in the file, not only the application but also other applications and the OS do not perform properly.

25 SUMMARY OF THE INVENTION

It is a general object of the present invention to provide an information processor, a method for processing information and a computer-readable recording medium recorded with program code
30 for controlling a computer to process information in which the above-mentioned problems are eliminated.

A more specific object of the present invention is to provide an information processor, a method for processing information and a computer-readable recording medium recorded with program code
35 for controlling a computer to process information in which it is possible to move an application easily

and safely.

The above objects of the present invention are achieved by an information processor including: a control information retrieving part for retrieving
5 control information that is used to execute a program; a destination defining part for defining destination address information to move the program; a moving part for moving the program in accordance with the destination address information; and a
10 control information changing part for changing the control information based on the destination address information.

According to the present invention, it is possible to move a program as it is, without any
15 changes of optional settings, in accordance with the destination address information. In addition, the present invention does not require a user to change the control information and also the program performs properly so that the user can use the
20 program soon after the program is moved.

The above objects of the present invention are achieved by a method for processing information including the steps of: (a) retrieving control information that is used to execute a program; (b)
25 defining destination address information; (c) moving the program in accordance with the destination address information; and (d) changing the control information based on the destination address information.

According to the present invention, a method is provided to move a program as it is, without any changes of optional settings, in accordance with the destination address information. By applying the method, a user does not have to
30 change the control information and also the program performs properly so that the user can use the program soon after the program is moved.

The above objects of the present invention are achieved by a computer-readable recording medium recorded with program code for controlling a computer to process information, the program code including the codes for: (a) retrieving control information that is used to execute a program; (b) defining destination address information; (c) moving the program in accordance with the destination address information; and (d) changing the control information based on the destination address information.

According to the present invention, a computer-readable recording medium recorded with program code for controlling a computer to process information is provided to move a program as it is, without any changes of options, in accordance with the destination address information. Therefore, a user does not have to change the control information and also the program performs properly so that the user can use the program soon after the program is moved.

BRIEF DESCRIPTION OF THE DRAWINGS

Other objects, features and advantages of the present invention will become more apparent from the following detailed description when read in conjunction with the accompanying drawings, in which:

FIG.1 shows an example of a setup window for a conventional installation;

FIG.2 shows a diagram illustrating an example of a constitution of a whole system according to an embodiment of the present invention;

FIG.3 shows a diagram illustrating a hardware construction according to the embodiment of the present invention;

FIG.4A shows a diagram illustrating

registry information before an application is moved and FIG.4B shows a diagram illustrating the registry information after the application is moved;

FIG.5A shows a diagram illustrating a
5 structure of a definition file according to the embodiment of the present invention and FIG.5B shows a diagram illustrating an example of the definition file according to the embodiment of the present invention;

10 FIG.6 shows a diagram illustrating a setup window according to the embodiment of the present invention;

FIG.7 shows a diagram illustrating a destination entry window according to the embodiment
15 of the present invention;

FIG.8 shows a diagram illustrating a dialog box showing a status of the moving application process; and

FIG.9 shows a flowchart diagram
20 illustrating the moving application process according to the embodiment of the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

FIG. 2 shows a diagram illustrating an
25 example of a constitution of a whole system according to an embodiment of the present invention.

An install apparatus 100 according to the embodiment corresponds to the information processor and includes the following parts: an installer 1
30 that is developed in a virtual storage to install an application; a definition file 2 to store destination information; a setup application 3 to setup; an OS 4; a display processing part 5 that controls display information; an input processing
35 part 6 that controls data inputted by a user; an output processing part 7; a recording medium 8 that is internally mounted as a standard drive C; a

recording medium 9 such as a CD-ROM in which an application is recorded and is sold as a product; and a recording medium 10 which is an external or an internal hard disk such as a drive D that is used as a destination drive when the application is moved. In addition, the recording medium 8 further includes a registry information 8a to maintain all information of installed applications, and an application 8b that performs on the OS 4. The recording medium 9 further includes setup application 9a, a definition file 9b that is developed in the virtual storage to maintain destination information during an installation, an installer 9c that is developed in the virtual storage to control the installation, and an application 9d to be installed into a PC.

It should be noted that the application 8b stored in the recording medium 8 is all or a part of the application 9d recorded in the recording medium 9.

For instance, the install apparatus 100 is required to execute the setup application 9a each time the application 8b installed in the recording medium 8 is moved to the recording medium 10. After the setup application 9a is executed, the setup application 9a, the definition file 9b, and installer 9c are developed in a virtual storage area controlled by the OS 4. In FIG.2, the installer 1, the definition file 2, and the setup application 3 are the installer 9c, the definition file 9b, and the setup application 9a developed in the virtual storage area, respectively.

The setup application 3 retrieves a current storage address of the installed application from the registry information 8a in the recording medium 8. Subsequently, the setup application 3 retrieves the destination address from the

medium 8 is assigned to the drive C.

In this example, the registry information 8a includes three keys: InstallDir, DataPath, and ProgramFolder. The key "InstallDir" indicates an area storing the application 8b. That is, a directory "C:\ProgramFiles\OmakaseV3", in which the application "Omakase V3" is installed, corresponds to the key "InstallDir".

The key "DataPath" indicates a directory "C:\ProgramFiles\OmakaseV3\Data" that stores data needed to perform the application 8b.

The key "ProgramFolder" indicates an area storing a group folder "OmakaseV3" that helps a user to execute the application "Omakase V3" without knowing where the "Omakase V3" is located in the recording medium 8.

FIG.4B shows a diagram illustrating the registry information after the application is moved.

After the application 8b is moved from the recording medium 8 to the recording medium 10, the registry information 8a is changed by the installer 1.

It is assumed that the recording medium 10 is assigned to the drive D.

When the application 8b is moved to the directory "OmakaseV3" in the drive D, the installer 1 changes information such that a directory "D:\OmakaseV3" corresponds to the key "InstallDir", a directory "D:\OmakaseV3\Data" corresponds to the key "DataPath", and a group folder "OmakaseV3" corresponds to the key "ProgramFolder".

The definition file used when the registry information 8a is changed will now be explained.

FIG.5A shows a diagram illustrating a structure of the definition file according to the embodiment of the present invention.

In FIG.5A, each path information

corresponds to each directory information in the registry information 8a as shown in FIG.4. That is, path 0 and path 1 in FIG.5A correspond to the keys "InstallDir" and "DataPath" in FIG.4, respectively.

5 Each path information is composed of a root key, a subkey, a value name and an additional path.

 The root key and the subkey indicate an address storing the registry information 8a.

10 The value name indicates the key name defined in the registry information 8a. Thus, the value name indicates information identically in the registry information 8a.

 If necessary, the additional path is set with an additional character string composed of the root key and the subkey.

15 A folder information is composed of the following: an icon name, a command line, a folder, icon file, and an icon index. The folder
20 information is used to change icon data, which is defined for a program folder or for a short cut, to indicate a destination path.

 The command line is information to change a work folder or link destination information for
25 the icon data.

 The folder is information to change address information.

 The icon file is information to change destination information of a program execution file.

30 The icon index is an icon number to indicate one of a plurality of icons. The icon number starts from 0 indicating the first icon.

 FIG.5B shows a diagram illustrating an example of the definition file according to the
35 embodiment of the present invention.

 The path 0 indicates an address storing the registry information 8a by the root key and the

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For example, when the user desires to move an application to the drive D to which the recording medium 10 is assigned, the user indicates the drive D in the destination input area 21. When the user
5 does not indicate any directory, a directory "OmakaseV3", which is the same as the current directory, is created automatically in the drive D.

To indicate a destination, the user inputs a destination path directly in the destination input
10 area 21, or the user clicks the "REFER TO" button 22 and selects from a window showing a list of current drives and directories that appear by clicking the "REFER TO" button 22.

When the user clicks the "OK" button 23
15 after the user decides and inputs the destination path in the destination input area 21, the installer 1 is executed and the installer 1 proceeds to a moving application process, which will be explained later.

20 However, when the user terminates the setup process, the user clicks the "CANCEL" button 24.

FIG.8 shows a diagram illustrating a dialog box showing a status of the moving
25 application process.

Referring to FIG.8, a dialog box 30 includes a barometer 31 that shows a progress of the moving application process visually and a % display 32 that shows a percentage of accomplishment.

30 When the user clicks the "OK" button 23, the moving application process starts and the dialog box 30 is displayed simultaneously.

In the barometer 31, a dark color part extends to the right side in correspondence with the
35 progress of the moving application process. When the dark color part reaches the end of the right side, it means that the moving application process

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The user can visually realize a status of the moving application process.

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In the step S4, when the space capacity is enough to move the application, the step S5 is

performed. However, when the space capacity is not enough to move the application, the step S11 is performed in order to display the "FAILED" message to the user.

5 When the space capacity is recognized as
enough, new folders are created in the destination
directory in the step S5. Then, the moving
application process starts to copy existing files in
current folders to the created folders.

10 The installer 1 refers to the root key and
the subkey in the definition file 2 and retrieves
the current install path and the current data path
from the registry information 8a. That is, the
installer 1 retrieves the current install path in
15 accordance with the key "InstallDir" from the
registry information 8a and then copies the
application from the current install path to the
destination. Subsequently, the installer 1 also
retrieves the current data path in accordance with
20 the key "DataPath" from the registry information 8a
and then copies the data related to the application
from the current data path to the destination.

In the step S6, it is checked as to whether copying in the step S5 succeeds or not.

25 When the result is successful, the step S7 is performed to change current paths to new paths in the registry information 8a. When the result is negative, the step S11 is performed to terminate the process.

30 When copying succeeds in the step S5, the
installer 1 sets the destination information
indicated by the user to the variable "Install" of
the folder information in the definition file 2 and
then changes information in the registry information
35 8a. For example, it is assumed that the user
indicates the recording medium 10 assigned to the
drive D as the destination to move the application.

As mentioned above, all of the installed applications, the installed additional functions, and created data are copied to the destination indicated by the user as it is so that the user does
5 not need to reinstall the same additional functions and does not set again optional settings of the application to fit the user's requirements such as a font size, lines per page, and the like. In addition, a use is only required to indicate a
10 destination so that the user does not have to uninstall the application from the current directory, install the application in a new directory, and restart the OS several times. Therefore, the present invention can reduce time consumption and
15 perform effectively to move an application.

In this embodiment, in a case in which two recording media are assigned to two logical drives C and D, respectively, the manner of moving an application (a program) is explained. Alternately,
20 the present invention can be applied to a case in which one recording medium is segmented into two areas and is assigned to two logical drives C and D, respectively, so that an application is moved within one and the same recording medium.

Further, the present invention can be applied to another case in which a destination directory is defined as a current directory in the same logical drive, so that an application is moved within the same logical drive. In the embodiment,
30 an application is physically moved to another directory in another recording medium. On the contrary, in the case in which an application is moved within the same logical drive, instead of copying, it is possible to move a current
35 application by changing management information such as directory information and file information, which are managed by a file management system of the OS.

It should be noted that the present invention is related to not only a manner of moving an application (a program) physically to another recording medium but also to a manner of changing the management information of the file management system without copying the application.

In addition, when an application is installed again, information showing the fact that the application is installed is saved in an install information part that is referred to when the application is deleted by the OS. It should be noted that this technology is well known as that of MS-Windows™.

The present invention is not limited to the specifically disclosed embodiments, variations and modifications, and other variations and modifications may be made without departing from the scope of the present invention.

The present application is based on Japanese Priority Application NO. 11-054179 filed on March 2, 1999, the entire contents of which are hereby incorporated by reference.

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7. The information processor as claimed in claim 1, wherein said control information comprises:

and

a data moving part moving the data when
the program is moved by said program moving part.

5

9. The information processor as claimed
in claim 1, further comprising an installing part
10 installing said program.

15 10. A method for processing information
comprising the steps of:
(a) retrieving control information that is
used to execute a program;
(b) defining destination address
20 information;
(c) moving the program in accordance with
the destination address information; and
(d) changing the control information based
on the destination address information.

25

11. The method as claimed in claim 10,
30 wherein said control information includes current
address information indicating where the program is
stored in a storage device, and
wherein said step (d) comprises the step
of replacing the current address information with
35 the destination address information to which the
program is moved.

12. The method as claimed in claim 10,
5 wherein said control information is generated when
said program is installed into a storage device.

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13. The method as claimed in claim 10,
wherein said control information is referred to when
said program is executed.

15

14. The method as claimed in claim 10,
wherein said control information is stored in a file
20 referred to by other programs, and the file includes
a plurality of control information to execute the
other programs.

25

15. The method as claimed in claim 10,
wherein said control information comprises
30 definition information including at least one
destination address information related to the
program and including at least one definition name
uniquely assigned to the destination address
information, and
35 wherein said step (d) comprises the step
of changing said control information based on said
definition information.

information to execute the program and data
information related to data created or edited by
executing said program, and
wherein said step (c) comprises the steps

5 of:

moving the program; and
moving the data when the program is moved.

10

18. The method as claimed in claim 10,
further comprising the step of installing said
program.

15

19. A computer-readable recording medium
20 recorded with a program code for causing a computer
to process information, said program code comprising
the codes for:

(a) retrieving control information that is
used to execute a program;

25 (b) defining destination address
information;

(c) moving the program in accordance with
the destination address information; and

(d) changing the control information based
30 on the destination address information.

35 20. The computer-readable recording
medium as claimed in claim 19, wherein said control
information includes current address information

wherein said code (d) comprises code for replacing the current address information with the destination address information to which the program is moved.

21. The computer-readable recording medium as claimed in claim 19, wherein said control information is generated when said program is installed into a storage device.

22. The computer-readable recording medium as claimed in claim 19, wherein said control information is referred to when said program is executed.

23. The computer-readable recording medium as claimed in claim 19, wherein said control information is stored in a file referred to by other programs and the file includes a plurality of control information to execute the other programs.

24. The computer-readable recording medium as claimed in claim 19, wherein said control

5 destination address information, and

10

current address information indicating
where the program is stored in a storage device;

wherein said code (c) comprises the codes
for:

30 copying all information, which is stored
at a current address indicated by the current
address information, in accordance with the
destination address information; and

35 wherein said code (d) comprises the code
for:

changing the current address information

included in said control information based on the destination address information included in said definition information.

5

26. The computer-readable recording medium as claimed in claim 19, wherein said control
10 information comprises program information to execute the program and data information related to data created or edited by executing said program, and wherein said code (c) comprises the codes
for:
15 moving the program; and
moving the data when the program is moved.

20

27. The computer-readable recording medium as claimed in claim 19, further comprising the code for installing said program.

FIG. 1 PRIOR ART

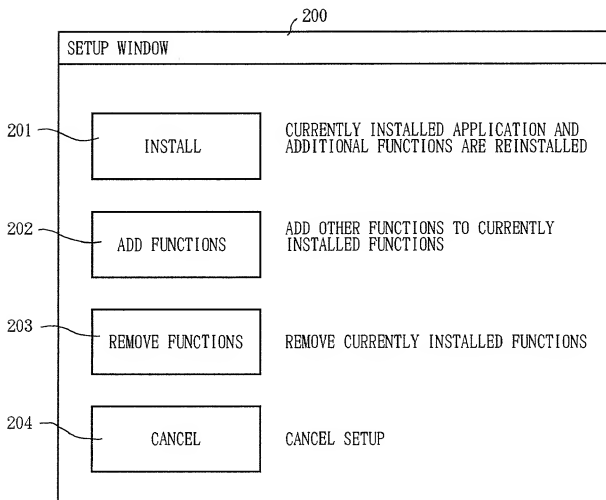


FIG. 2

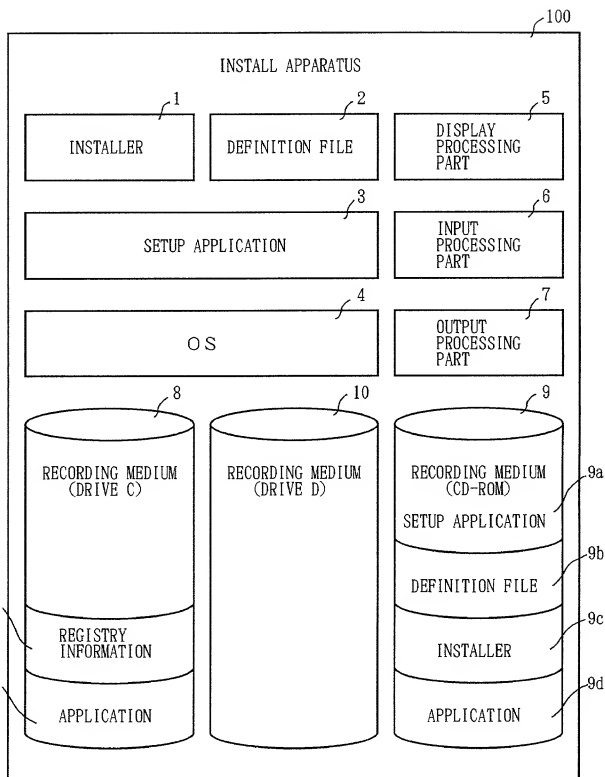
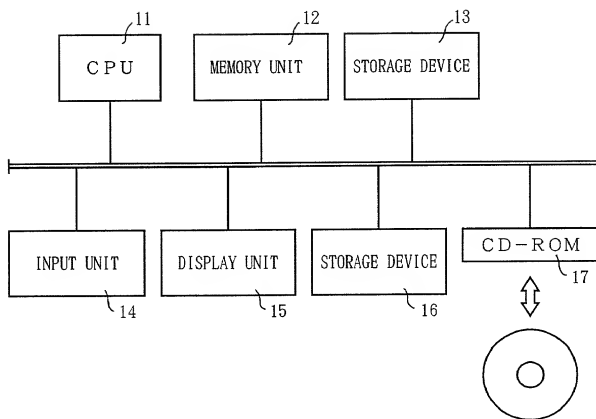


FIG. 3



BEFORE MOVE

8 a

REGISTRY INFORMATION

InstallDir	"C:\ProgramFiles\OmakaseV3"
DataPath	"C:\ProgramFiles\OmakaseV3\Data"
ProgramFolder	"OmakaseV3"

FIG. 4A

AFTER MOVE

8 a

REGISTRY INFORMATION

InstallDir	"D:\OmakaseV3"
DataPath	"D:\OmakaseV3\Data"
ProgramFolder	"OmakaseV3"

FIG. 4B

FIG. 5A

STRUCTURE OF DEFINITION FILE

```
[Path]
0=<ROOT KEY>, <SUB KEY>, <VALUE NAME>, <ADDITIONAL PATH>
1=<ROOT KEY>, <SUB KEY>, <VALUE NAME>, <ADDITIONAL PATH>

[Folder]
<ICON NAME>=<COMMAND LINE>, <FOLDER>, <ICON FILE>, <ICON INDEX>
```

EXAMPLE OF DEFINITION FILE

```
[Path]
0=MACHINE-A, Software\Fujitsu\Omakase\V3.0\Dir, InstallDir,
1=MACHINE-A, Software\Fujitsu\Omakase\V3.0\Dir, DataPath, Data

[Folder]
Omakase\V3-0\Install\%Omakase.exe, %Install%, %Install%\%Omakase.exe, 0
```

FIG. 5B

FIG. 6

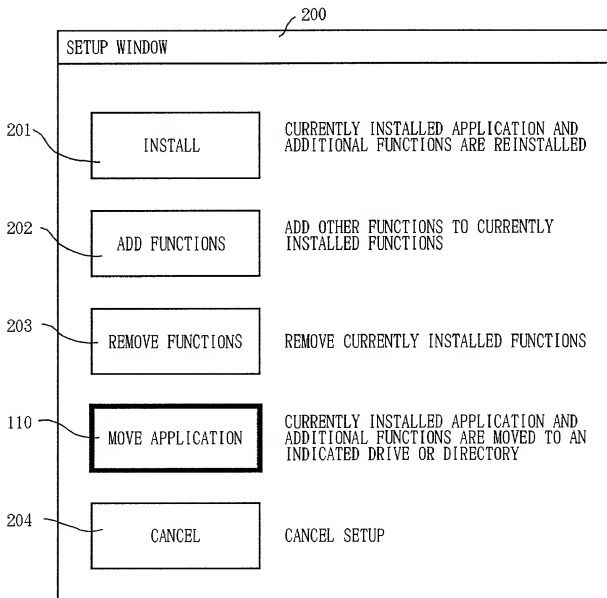


FIG. 7

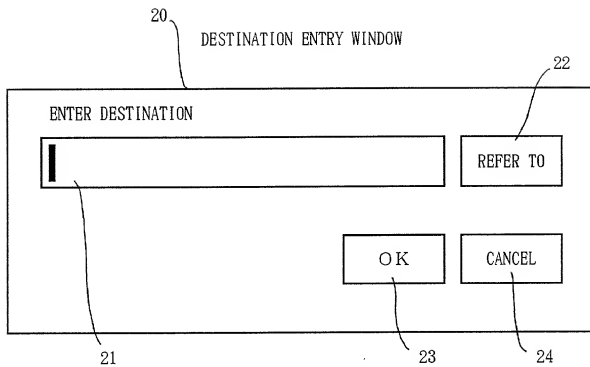


FIG. 8

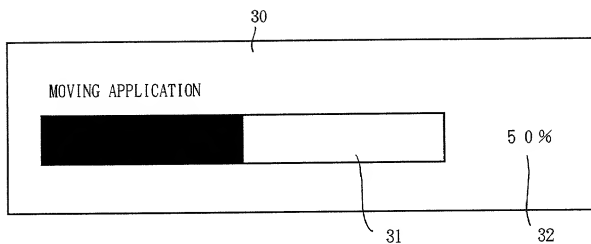
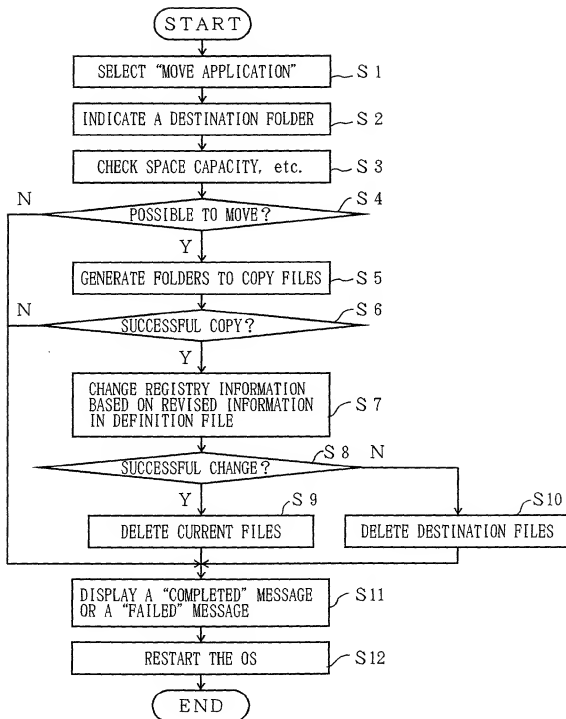


FIG. 9



Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

下記の氏名が発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

INFORMATION PROCESSOR, METHOD FOR PROCESSING INFORMATION AND COMPUTER- READABLE RECORDING MEDIUM RECORDED WITH PROGRAM CODE FOR CONTROLLING A COMPUTER TO PROCESS INFORMATION

上記発明の明細書（下記の欄でx印がついていない場合は、本表に添付）は、

the specification of which is attached hereto unless the following box is checked:

☐ 月 日に出願され、米国出願番号または特許協定条約
国際出願番号を として、
(該当する場合) に訂正されました。

☐ was filed on _____
as United States Application Number or
PCT International Application Number
_____ and was amended on
_____ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、
内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of
the above identified specification, including the claims, as
amended by any amendment referred to above.

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Prior Foreign Application(s)

外国での先行出願 Pat. Appln. No. 11-054179	Japan
(Number) (番号)	(Country) (国名)
(Number) (番号)	(Country) (国名)

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

優先権主張なし

2/March/1999

(Day/Month/Year Filed)	<input type="checkbox"/>
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(Application No.) (出願番号)	(Filing Date) (出願日)
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I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned)
(状況: 特許許可済、係属中、放棄済)

(Application No.) (出願番号)	(Filing Date) (出願日)
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Japanese Language Declaration (日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の
 手続を米特許審判局に対して遂行する弁理士または代理人
 として、下記の者を指名いたします。(弁理士、または代理
 士名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint
 the following attorney(s) and/or agent(s) to prosecute this
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